



Winter 1983- 84

NEWS

Geological Society of Minnesota

FIRST CLASS



MINNEAPOLIS, MINNESOTA



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RETURN REQUESTED

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GEOLOGICAL SOCIETY OF MINNESOTA

OFFICERS.

Pres. George Johnson
 V. Pres. Eva Selander
 Treas. Warren Mitchell
 Sec'y. Marlys Lowe

DIRECTORS

Wilbur Hill
 Conrad Nelson
 Elizabeth Noten
 Dwight Robinson
 Dick Uthe

BOARD DOINGS - ELECTIONS

The Annual Meeting took place in September at the Viking Village. The
 For a first term Wilbur Hill, George Johnson,
 following were elected Wilbur Hill, George Johnson, Warren Mitchell and
 Dwight Robinson and Dick Uthe.

Members enjoyed a showing of slides from the field trips by Bob Gunnville.
 At the October Board meeting George Johnson was elected president, Eva Selander
 Vice President, Warren Mitchell treasurer, and Marlys Lowe secretary. The new
 board and officers will serve through 1984. The board will plan activities
 and select committees for the new year.

New Members

In Winter



Lawrence M Espy 326 3319
 5801 Fairfax Av.
 Mpls. 55424

Robert Janzek 373 6725
 1122 University Av. S.E.
 Mpls. 55455

Sr. Lucy Knoll 690 2481
 1884 Randolph Av.
 St. Paul 55105

Jeffrey & Krista Garry 291 0011
 92 E. Morton St
 St. Paul 55107

Robert Dorenfeld 623 9709
 1217 Fifth St. N.E.
 Mpls. 55413

Byron Swanson 644 0321
 383 Pelham Blvd.
 St. Paul 55104

David Lankinen 489 3729
 757 M. Sandhurst Dr.
 Roseville, Minn. 55113

December 1983
 January 1984
 February

IMPORTANT

LABS BEGIN IN FEBRUARY

A new series of labs will be taught by Dr. Gerald Webers on alternate Monday evenings at Macalester College, beginning February 13. PLEASE NOTE: The date in the program for the second lab is in error. It is printed as Feb. 20 and should read Feb. 27.

Dr. Webers will hold two sessions on fossil identification and two sessions on mineral identification. These labs will build on the work done last year, though prior experience is not necessary. There will also be an opportunity to view rocks in thin sections through petrographic microscopes.

Labs will be held in Rice Hall at 7:30 P.M.



1983 in Review

- 1- We had a fine lecture series dealing with evolution of earth and basic geology. Further, four labs were held on mineral and rock identification.
- 2- The annual banquet at Duff's.
- 3- A picnic at Minnehaha Falls for members to meet and get autographs from the author of Minnesota's Geology, Dick Ojakangas and Charlie Matsch.
- 4- Three field trips; one to southwestern Minnesota, one to Baraboo, Wisconsin and one local on glacial geology, plus a seminar in the Science Museum.
- 5- The booth at the Fair, with the theme being The Geology of a Car.

TIME



DUES ARE OVERDUE

Did you neglect to pay your dues by October 1?
If so, you may still send your check to Marjorie McGladrey, 8351 278th Street E., Elko, Minn. 55020

Old Prospectors Never Die



Gold

In ancient times gold as well as copper, lead and iron were mined. The Egyptians mined gold around 4000 B.C. Copper was produced in Cyprus around 3000 B.C. Minoans of the Bronze Age bartered metals both base and precious for Greek wines and olive oil. In Galicia the Romans mined gold, copper, lead and iron.

In recent times geologists have assisted in finding mineral resources beneath the surface. Now some are engaged in rediscovering abandoned ancient mines in Europe and in countries bordering the Mediterranean. While not bonanzas, many of these old mines can still yield profitable ores, due to modern mining techniques.

Dr. Stanley Holmes, a Canadian geologist with a wide experience in mineral exploration in the United States and Canada, has founded Mining Explorations (International) Ltd. together with Robert Armstrong of Cominco, Gunnar and Union Corp. (S.A.) The finding and development of new mines is becoming increasingly difficult and expensive in the United States and Canada. Unstable governments in South America and the Third world make the investment too risky for most investors.

Holmes became interested in overseas mining while serving as chief geologist and chief of explorations for the Denison company which was keen on uranium sites. While exploring in Ireland for Dennison, he obtained an option on Silvermines. Then he set up his own consulting firm. In connection with this work he explored old and new mines in Europe, South America, North Africa, and the Middle East. He became convinced that there are opportunities for profitable mines in the long abandoned pits and shafts of western Europe.

The classical writings of Aristotle, Pliny, the Elder and Ptolemy provided Holmes with the background of ancient mining history.

Gold fever has not abated even now. In fact the locating and development of new sites is ongoing in the Lake Superior region.